



## **BROAD AGENCY ANNOUNCEMENT (BAA)**

### **Navy Electronic Warfare Discovery and Invention (D&I) Science and Technology (S&T) Program**

#### **INTRODUCTION**

This publication constitutes a Broad Agency Announcement (BAA) as contemplated in Federal Acquisition Regulation (FAR) 6.102(d)(2). A formal Request for Proposals (RFP), solicitation, and/or additional information regarding this announcement will not be issued.

The Office of Naval Research (ONR) will not issue paper copies of this announcement. The ONR reserves the right to select for award all, some or none of the proposals in response to this announcement. The ONR reserves the right to fund all, some or none of the proposals received under this BAA. ONR provides no funding for direct reimbursement of proposal development costs. Technical and cost proposals (or any other material) submitted in response to this BAA will not be returned. It is the policy of ONR to treat all proposals as sensitive competitive information and to disclose their contents only for the purposes of evaluation.

#### **I. GENERAL INFORMATION**

##### **1. Agency Name**

Office of Naval Research  
875 North Randolph Street, Suite 1425  
Arlington, VA 22203-1995

##### **2. Research Opportunity Title**

Electronic Warfare Technology

### **3. Program Name**

Electronic Warfare Discovery and Invention (D&I)

### **4. Research Opportunity Number**

BAA 05-022

### **5. Response Date**

White Papers: 15 August 2005

Full Proposals: 19 September 2005

### **6. Research Opportunity Description**

The goal of electronic warfare is to control the electromagnetic (EM) spectrum by exploiting, disrupting, or denying enemy use of the spectrum while ensuring its use by friendly forces. To that end, ONR's Electronic Warfare Discovery and Invention (D&I) program invests in science and technology initiatives that will provide the Navy and Marine Corps with improved threat warning systems, electronic support measures, decoys, and electronic countermeasures as well as communication and navigation countermeasures.

ONR 313, Electronic Warfare (EW), seeks proposals for efforts that shall develop and demonstrate technologies for the next generation components and systems in Electronic Warfare. Proposals should address technology developments in one or more of the following areas:

#### **6.1 Situational awareness, threat detection and threat identification**

General research topics of interest for this area include:

- a. Low-cost broadband antennas/arrays and associated components for threat detection and location
- b. Detection and exploitation of millimeter wave (mmW) and low probability of intercept (LPI) radar signals
- c. Signal processing, classification algorithms and hardware techniques to detect and correctly classify emitters in complex, cluttered environments
- d. New techniques to improve passive and active identification, as well as specific emitter identification (SEI)
- e. Small, low-cost receivers
- f. Miniaturization of EW components for unmanned air vehicles (UAVs)

Specific research topics of interest for this area include:

A mmW ES receiver system (Ka/W Band) that can be deployed on select naval combatants for characterization of the mmW environment in operational areas. The receiver system should have high probability of intercept and the ability to record detected signals for post processing. Priority consideration will be given to receiver systems that are capable of utilizing an omni-directional antenna with direction finding (DF) capability.

## **6.2 Counter-targeting, self protection and support jamming**

General research topics of interest for this area include:

- a. Low-cost broadband antennas/arrays for active radio frequency (RF) engagement of threats
- b. Decoy signal processing architectures and antennas
- c. Advanced counter-targeting and jamming technologies
- d. Long-duration decoys for counter-targeting and/or stand-in jamming
- e. Countermeasure capability against advanced systems that employ supersonic sea-skimming profiles, stream raids/multiple missile engagements and swarm attacks
- f. Countermeasure capability against mmW and LPI threats

Specific research topics of interest for this area include:

Investigation into the feasibility of a phased array with solid state amplifiers as a replacement for the current Nulka decoy transmitter. Array transmitter concepts shall fit within the current Nulka decoy configuration and their effective radiated power (ERP) and angular coverage should meet current Nulka specifications. Effort shall determine transmitter performance bounds and identify impacts on all aspects of decoy performance, including (but not limited to): receiver antenna/receiver design, isolation, EMI rejection, power requirements, response time, weight, volume, etc. This effort will last no longer than two (2) years, and will serve as the technical foundation for the Enhanced Nulka Payload Future Naval Capabilities (FNC) effort that begins in FY08.

Investigation into application of mmW technology to provide effective CM capability for both aircraft and small platforms. Research efforts in support of CM for aircraft should focus on the development of transmitter capability that will provide 100 watt continuous wave (CW) effective jam power in mmW threat bands (30-100 GHz) using solid state components. Results of this investigation will provide part of the technical foundation for the Aircraft Countermeasures Capability (ACC) FNC effort that begins in FY08. Efforts in support of CM for small platforms should focus on defeating top attack threats. Priority consideration will be given to concepts that focus on reusable decoys.

## **6.3 Network Centric EW/Mission support**

General research topics of interest for this area include:

- a. New methods or architectures for modeling and simulation which consider force-wide restrictions to quantify the benefits of network-centric EW, enable the effective implementation and use of network-centric EW and assess its effectiveness in real-time when it is employed
- b. Network-centric EW-capable expendable sensors' development
- c. Timely effectiveness assessment when countermeasures are employed

The areas listed above are representative of the general emphasis of the ONR EW D&I program, but are not all inclusive. ONR's EW D&I program is continually seeking new and innovative EW Technologies that will provide the Navy and Marine Corps with a technological advantage.

## **7. Points of Contact**

Questions of a technical nature shall be directed to the cognizant Science and Technical Point of Contact, as specified below:

Michael Monsma  
E-mail: [monsmam@onr.navy.mil](mailto:monsmam@onr.navy.mil)  
Telephone: (703) 696-4303  
Fax: (703) 696-1331

Dr. Peter Craig  
E-mail: [craigp@onr.navy.mil](mailto:craigp@onr.navy.mil)  
Telephone: (703) 696-4303  
Fax: (703) 696-1331

Questions of a business nature shall be directed to the cognizant Contract Specialist, as specified below:

Ms. Kenesha Hargrave  
Senior Contracting Specialist  
Contract and Grant Awards, Management  
Code ONR 0251  
Office of Naval Research  
875 North Randolph Street, Suite 1425  
Arlington, VA 22203-1995  
Telephone: (703) 696-5345  
Fax: (703) 696-0066  
Email: [hargrak@onr.navy.mil](mailto:hargrak@onr.navy.mil)

For questions or additional information on preparing or submitting white papers, contact Michael Monsma or Dr. Peter Craig.

## **8. Instrument Type(s)**

It is anticipated that primarily contracts will result from this announcement. However, ONR will consider awarding grants, cooperative agreements, or other transactions as appropriate.

## **9. Catalog of Federal Domestic Assistance (CFDA) Number**

CFDA No.: 12.300

## **10. Catalog of Federal Domestic Assistance (CFDA) Title**

CFDA Title: DoD Basic and Applied Scientific Research

## **11. Additional Information**

Not Applicable (N/A)

## **II. AWARD INFORMATION**

The Office of Naval Research (ONR) plans to award multiple technology development contracts (particularly cost plus fixed fee (CPFF) type contracts) that represent the best value to the Government in accordance with the evaluation criteria. The Office of Naval Research is seeking participants for this program that are capable of supporting the goals described in this announcement. Offerors have the opportunity to be creative in the selection of the technical and management processes and approaches to address the research topics.

ONR anticipates a budget of \$1,500,000.00 per annum for the period FY06-FY08 for this program. ONR plans to fund \$100,000.00 to \$750,000.00 per year, per award using Discovery and Invention (D&I) (Budget Category 6.2) funds. However, lower and higher cost proposals will be considered. The period of performance for projects may be from one to three years, with an estimated start date of 31 January 2006, subject to date of final award and availability of new fiscal year funds.

ONR has funded related technology development under numerous programs. If offerors are enhancing work performed under other ONR or DoD projects, they must clearly identify the point of departure and what existing work will be brought forward and what new work will be performed under this BAA.

## **III. ELIGIBILITY INFORMATION**

All responsible sources may submit a proposal, which shall be considered by the Government. Foreign companies/entities will not be considered under this solicitation. Historically Black Colleges and Universities (HBCU) and Minority Institutions (MI) are encouraged to submit proposals and join others in submitting proposals. However, no portion of this BAA will be set aside for HBCU and MI participation due to the impracticality of reserving discrete or severable areas of naval Electronic Warfare Technology for exclusive competition among these entities.

Independent organizations and teams are encouraged to submit proposals in any or all areas. However, offerors must be willing to cooperate and exchange software, data and other information in an integrated program with other contractors, as well as with system integrators, selected by ONR.

## **IV. APPLICATION AND SUBMISSION INFORMATION**

### **1. Application and Submission Process**

**(A) White Papers:** The due date for white papers is no later than 4 p.m. local Eastern Time on 15 August 2005. White papers received after the published due date will not be considered for funding in FY06. Each white paper should state that it is submitted in response to this BAA.

Evaluation/Notification: Initial Navy evaluations of the white papers will be issued via e-mail notification on or about 23 August 2005. Detailed technical and cost proposals will be subsequently encouraged from those offerors whose proposed technologies have been identified through the aforementioned e-mail. The Office of Naval Research (ONR) plans to award multiple technology development contracts (particularly cost plus fixed fee (CPFF)

type contracts) that represent the best value to the Government in accordance with the evaluation criteria as being of "particular value" to the Navy. However, any such encouragement does not assure a subsequent award.

Submission of Full Proposal: Any offeror may submit a full proposal even if its white paper was not identified as being of "particular value". However, the Navy's initial evaluation of the white papers should give proposers some indication of whether a later full proposal would likely result in an award. Full proposals will not be considered under this BAA unless a white paper was received before the white paper due date specified above.

**(B) Oral Presentations:** ONR may request that Principal Investigators (PIs) provide expanded presentations of their selected white papers. The purpose of the oral presentation is to provide additional information on how the proposed technology will affect military applications. Offerors' technologies identified through the white paper reviews as being of "particular value" to the Navy, will be asked to make an oral presentation of their white papers to a panel of government evaluators. Offerors whose proposed technologies were not identified through the white paper review process as being of "particular value" to the Navy may still make an Oral Presentation of their white paper to the Government. The time and location of the oral presentations, if required, will be provided at a later date via e-mail notification.

**(C) Full Proposals:** The due date for receipt of Full Proposals is 4 p.m. (local Eastern Time) on 19 September 2005. ONR will select the efforts to be funded for FY06 start-up contingent upon the quality and completeness of the proposal and the level of available funding. It is anticipated that final selections will be made within 30 days after proposal submission. As soon as the final proposal evaluation process is completed, PIs will be notified via e-mail of their project's selection or non-selection for FY06 funding. Proposals received after the published due date will not be considered for funding in FY06. Proposals exceeding the page limit will not be evaluated.

## **2. Content and Format of White Papers and Full Proposals**

The white papers and proposals submitted in response to this BAA are expected to be unclassified. However, confidential/classified proposals are permitted. Proposal submissions will be protected from unauthorized disclosure in accordance with FAR 15.207, applicable law, and DoD/DoN regulations. Offerors are expected to appropriately mark each page of their submission that contains proprietary information. The proposal shall include a severable, self-standing Statement of Work, which contains only unclassified information and does not include any proprietary restrictions.

IMPORTANT NOTE: Titles given to the white papers/proposals should be descriptive of the work they cover and not be merely a copy of the title of this solicitation.

**(A) WHITE PAPERS:** White papers shall be at least three (3) pages but no more than five (5) pages in length. White papers that exceed the page limit or fail to meet other criteria will not be reviewed, evaluated or considered for FY06 selection, award or funding.

### **White Paper Format:**

- Paper Size – 8.5 x 11 inch paper
- Margins – 1" inch
- Spacing – single or double-spaced

- Font – Times New Roman, 12 point
- Number of Pages – three (3) to five (5)
- Copies – one (1) original, five (5) copies, and one (1) electronic copy on CD-ROM, (in Microsoft® Word or Excel 97 compatible or .PDF format).

**White Paper Content:** White Paper should include a title page. The title page is not included in the three (3) to five (5) page limitation. The title page should include the words “White Paper” and the following information:

- (a) BAA number;
- (b) Title of Proposal;
- (c) Identity of prime offeror and complete list of subcontractors, if applicable;
- (d) Principal Investigator (PI) contact (name, address, phone/fax, electronic mail address);
- (e) Business contact (name, address, phone/fax, electronic mail address); and,
- (f) Duration of effort (differentiate basic effort and any options)

White papers must address the following:

- Laboratory Project Manager and/or Principal Investigator
- Navy/Marine Corps capability deficiency being satisfied
- Technical objective
- Technical approach
- Deliverables
- Recent technical breakthroughs that will reduce risk
- Project plan showing schedule of individual tasks
- Funding plan showing requested funding per task, per fiscal year

## **(B) FULL PROPOSALS**

### **Format – Volume 1 (Technical Proposal) and Volume 2 (Cost Proposal)**

- Paper Size – 8.5 x 11 inch paper
- Margins – 1” inch
- Spacing – single or double-spaced
- Font – Times New Roman, 12 point
- Number of Pages – Volume 1 is limited to no more than thirty (30) pages. Volume 2 has no page limit. The cover page, table of contents, and resumes are excluded from the page limitations. Full Proposals exceeding the page limit may not be evaluated.
- Copies – one (1) original, five (5) copies, and one (1) electronic copy on CD-ROM, (in Microsoft® Word or Excel 97 compatible or .PDF format).

### **Content of Volumes 1 and 2**

#### **Volume 1: Technical Proposal**

Volume 1 of the Full Proposal shall include the following sections, each starting on a new page. Please pay attention to the page limitations for each section as specified below.

- 2) Title Page: (Not included in page limitations.) This should include the words "Technical Proposal" and the following information:
  - (a) BAA number;
  - (b) Title of Proposal;
  - (c) Identity of prime offeror and complete list of subcontractors, if applicable;
  - (d) Principal Investigator (PI) contact (name, address, phone/fax, electronic mail address);
  - (e) Business contact (name, address, phone/fax, electronic mail address); and,
  - (f) Duration of effort (differentiate basic effort and any options)
- 3) Table of Contents: Not included in page limitations.
- 4) Executive Summary: Summarize the technology you are proposing and the expected improvements to the Navy. Not to exceed two (2) pages.
- 5) Concept of Operation for the Navy: A summary of the way in which the proposal's product(s) would support the Navy in an operational context. Include quantitative specifications for how the products will improve operational performance. Not to exceed two (2) pages.
- 6) Statement of Work: A Statement of Work (SOW) clearly detailing the scope and objectives of the effort and the technical approach. It is anticipated that the proposed SOW will be incorporated as an attachment to the resultant award instrument. To this end, such proposals must include a severable self-standing SOW without any proprietary restrictions, which can be attached to the contract or agreement award. Include a detailed listing of the technical tasks/subtasks organized by year. Not to exceed five (5) pages.
- 7) Project Schedule and Milestones: A summary of the schedule of events and milestones. Not to exceed one (1) page.
- 8) Assertion of Data Rights: Include here a summary of any proprietary rights to pre-existing data related to techniques, prototypes, or systems supporting and/or necessary for the use of the research, results, and/or prototype for this project. Any rights made in other parts of the proposal that would impact the rights in this section must be cross-referenced. If there are proprietary rights, the offeror must explain how these affect its ability to deliver subsystems and toolkits for integration. Additionally, offerors must explain how the program goals are achievable in light of these proprietary and/or restrictive limitations. Offerors asserting Data Rights must do so in accordance with the clause DFARS 252.227-7017 entitled "Identification and Assertion of Use, Release, or Disclosure Restrictions". The table submitted in accordance with this clause should be a severable attachment to the proposal, which will not be counted towards the page limitations. If there are no claims of proprietary rights in pre-existing data, this section shall consist of a statement to that effect. Not to exceed one (1) page.
- 9) Technical Approach and Deliverables: A detailed description of the approach planned, results targeted and products to be delivered. Not to exceed nine (9) pages.

- 10) Operational Utility: A detailed plan for assessing the operational utility of the key products of this effort during a Fleet or Marine operational exercise, including proposed metrics. Not to exceed two (2) pages.
- 11) Qualifications: A discussion of previous accomplishments and work in this, or closely related, areas, and the qualifications of the investigators. Key personnel resumes shall be attached to the proposal and will not count toward the page limitations. Not to exceed three (3) pages.
- 12) Management Approach: A discussion of the overall approach to the management of this effort, including brief discussions of the total organization, use of personnel, project/function/subcontractor relationships, government research interfaces, and planning, scheduling and control practice. Identify which personnel and subcontractors (if any) will be involved. Include a description of the facilities that are required for the proposed effort with a description of any Government Furnished Equipment/Hardware/Software/Information required, by version and/or configuration. Not to exceed five (5) pages.

## **Volume II: Cost Proposal**

The Cost Proposal shall consist of a cover page and two parts, Part 1 and Part 2. Part 1 will provide a detailed cost breakdown of all costs by cost category by calendar/fiscal year and Part 2 will provide a cost breakdown by task/sub-task using the same task numbers in the Statement of Work.

- Cover Page: The use of the SF 1411 is optional. This proposal should include the words "Cost Proposal" and the following:
  - 1) BAA number;
  - 2) Title of Proposal;
  - 3) Identity of prime Offeror and complete list of subcontractors, if applicable;
  - 4) Technical contact (name, address, phone/fax, electronic mail address);
  - 5) Administrative/business contact (name, address, phone/fax, electronic mail address);
  - 6) Duration of effort (differentiate basic effort and options) ; and a
  - 7) Summary statement of proposed costs
- Part 1: Detailed breakdown of all costs by cost category by calendar/fiscal year:
  - 1) Direct Labor - Individual labor category or person, with associated labor hours and unburdened direct labor rates;
  - 2) Indirect Costs - Fringe Benefits, Overhead, G&A, COM, etc. (Must show base amount and rate.);
  - 3) Proposed contractor-acquired equipment, such as, but not limited to, computer hardware for proposed research projects should be specifically itemized with costs or estimated costs, if it is being proposed as a direct cost. An explanation of any estimating factors, including their derivation and application, should be provided. Please include a brief description of the Offeror's procurement method to be used;

- 4) Travel - Number of trips, number of days per trip, departure and arrival destinations, number of people, etc;
  - 5) Subcontract - A cost proposal as detailed as the Offeror's cost proposal will be required to be submitted by the subcontractor. The subcontractor's cost proposal can be provided in a sealed envelope with the Offeror's cost proposal or will be requested from the subcontractor at a later date;
  - 6) Consultant - Provide consultant agreement or other document which verifies the proposed loaded daily/hourly rate;
  - 7) Materials should be specifically itemized with description of proposed items and associated number of units, unit costs and total amount. An explanation of any estimating factors, including their derivation and application, shall be provided. Please include a brief description of the Offeror's procurement method to be used;
  - 8) Other Directs Costs should be itemized with description of proposed items and associated number of units, unit costs and total amount. Backup documentation should be submitted to support proposed costs; and
  - 9) For proposed procurement contracts, the Offeror's proposed Fee/Profit, including fee percentage.
- Part 2: Cost breakdown by task/sub-task using the same task numbers in the Statement of Work.

### 3. Significant Dates and Times

Anticipated Schedule of Events		
Event	Date (MM/DD/YEAR)	Time (Local Eastern Time)
White Paper Due Date (Page Limit: 3 Pages)	15 August 2005	1600
Notification on Evaluation of White Papers *	23 August 2005	COB
Oral Presentations *	TBD	TBD
Full Proposals Due Date (Page Limit:30)	19 September 2005	1600
Notification of Selection: Full Proposals *	One week after Oral Presentation Date	N/A
Contract Awards *	31 January 2006	N/A

\* These dates and times are estimates as of the date of this announcement.

### 4. Submission of Late Proposals

Any proposal, modification, or revision, that is received at the designated Government office after the exact time specified for receipt of proposals is "late" and will not be considered unless it is received before award is made, the contracting officer determines that accepting the late proposal would not unduly delay the acquisition and

- (a) If it was transmitted through an electronic commerce method authorized by the announcement, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of proposals; or

(b) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of proposals and was under the Government's control prior to the time set for receipt of proposals; or

(c) It was the only proposal received.

However, a late modification of an otherwise timely and successful proposal, that makes its terms more favorable to the Government, will be considered at any time it is received and may be accepted.

Acceptable evidence to establish the time or receipt at the Government installation includes the time/date stamp of that installation on the proposal wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

If an emergency or unanticipated event interrupts normal Government processes so that proposals cannot be received at the Government office designated for receipt of proposals by the exact time specified in the announcement, and urgent Government requirements preclude amendment of the announcement closing date, the time specified for receipt of proposals will be deemed to be extended to the same time of day specified in the announcement on the first work day on which normal Government processes resume.

The contracting officer must promptly notify any Offeror if its proposal, modifications, or revision was received late and must inform the Offeror whether its proposal will be considered.

## **5. Address for the Submission of White Papers and Full Proposals**

Michael Monsma  
Electronic Warfare Program Manager  
Surveillance, Communications and Electronic Combat Division  
Code ONR 313EW  
Office of Naval Research  
875 North Randolph Street, Suite 1425  
(Room 1112)  
Arlington, VA 22203-1995  
Telephone: (703) 696-4303  
Fax: (703) 696-1331  
E-mail: [monsmam@onr.navy.mil](mailto:monsmam@onr.navy.mil)

**NOTE: PROPOSALS SENT BY FAX OR E-MAIL WILL NOT BE CONSIDERED.**

## **V. EVALUATION INFORMATION**

### **1. Evaluation Criteria -**

The following evaluation criteria apply to both the White Papers and the Full Proposals.

These submissions will be selected through a technical/scientific/cost decision process with technical and scientific considerations being most important. Even though cost is of less importance than all of the technical factors combined, it will not be ignored. The degree of its importance will increase with the degree of equality of the proposals in relation to the

other factors on which selection is to be based, or when the cost is so significantly high as to diminish the value of the technical superiority to the Government. Criteria A-D are listed in descending order of priority. Any sub-criteria listed under a particular criterion are of equal importance to each other.

- A. Overall scientific and technical merits of the proposal
  - 1. The degree of innovation
  - 2. The soundness of technical concept
  - 3. The Offeror's awareness of the state-of-the-art and understanding of the scope of the problem and the technical effort needed to address it
- B. Naval relevance, transition potential and anticipated contributions of the proposed technology to Electronic Warfare operations.
- C. Offeror's capabilities, related experience, and past performance, including the qualifications, capabilities and experience of the proposed principal personnel
  - 1. The quality of technical personnel proposed
  - 2. The Offeror's experience in relevant efforts with similar resources
  - 3. The ability to manage the proposed effort
- D. The realism of the proposed cost
  - 1. Total cost relative to benefit
  - 2. Realism of cost levels for facilities and staffing

For proposed awards to be made as contracts to large businesses, the socio-economic merits of each proposal will be evaluated based on the extent of the Offeror's commitment in providing meaningful subcontracting opportunities for small businesses, small disadvantaged businesses, woman-owned small businesses, HUBZone small businesses, veteran-owned small businesses, service disabled veteran-owned small businesses, historically black colleges and universities, and minority institutions.

Industry-Government Partnering – ONR highly encourages partnering among industry and Government with a view toward speeding the incorporation of new science and technology into fielded systems. Proposals that utilize industry-Government partnering which enhances the development of novel S&T advances will be given favorable consideration.

## **2. Evaluation Panel-**

The Government may use selected support personnel as subject matter expert technical consultants to assist in providing both technical expertise and administrative support regarding white papers, presentations, and full proposals ensuring from this announcement. Similarly, support contractors may be utilized as subject-matter experts in the evaluation of cost proposals. However, proposal selection and award decisions are solely the responsibility of Government personnel. Each support contractor's employees having access to technical and cost proposals submitted in response to this BAA will be required to sign a non-disclosure statement prior to receipt of any proposal submissions. These support contractors will be bound by appropriate non-disclosure agreements to protect proprietary and source-selection information.

## **VI. AWARD ADMINISTRATION INFORMATION**

### **1. Administrative Requirements**

- The North American Industry Classification System (NAICS) code - The North American Industry Classification System (NAICS) code for this solicitation is S41710 with a small business size standard of 500 employees.
- CCR - Successful Offerors not already registered in the Central Contractor Registry (CCR) will be required to register in CCR prior to award of any grant, contract, cooperative agreement, or other transaction agreement. Information on CCR registration is available at <http://www.onr.navy.mil/02/ccr.htm>
- Certifications - Proposals should be accompanied by a completed certification package which can be accessed on the ONR Home Page at Contracts and Grants. For contract proposals, the certification package is entitled, "Representations and Certifications for Contracts".
- Subcontracting Plans - Successful contract proposals that exceed \$500,000, submitted by all but small business concerns, will be required to submit a Small Business Subcontracting Plan in accordance with FAR 52.219-9, prior to award. This requirement also applies to non-profits, including educational institutions.

## **2. Reporting**

The following is a sample of reporting deliverables that could be required under a research effort. The following deliverables, primarily in contractor format, are anticipated as necessary. However, specific deliverables should be proposed by each Offeror and finalized with the contracting agent:

- Detailed Technical Data
- Technical and Financial Progress Reports
- Presentation Material(s)
- Other Documentation or Reports, as required
- Final Report

## **VII. OTHER INFORMATION**

### **1. Government Property/Government Furnished Equipment (GFE) and Facilities**

Each Offeror must provide a very specific description of any equipment/hardware that it needs to acquire to perform the work. This description should indicate whether or not each particular piece of equipment/hardware will be included as part of a deliverable item under the resulting award. Also, this description should identify the component, nomenclature, and configuration of the equipment/hardware proposed to be purchased for this effort. It is the Government's desire to have the contractors purchase the equipment/hardware for deliverable items under their contract. The purchase on a direct reimbursement basis of special test equipment or other equipment that is not included in a deliverable item will be evaluated for allowability on a case-by-case basis.

Offerors are expected to provide all facilities (equipment and/or real property) necessary for the performance of the proposed effort. Any direct charge of facilities, not including deliverable items, must be specifically identified in the Offeror's proposal and approved by the Government prior to purchase. In addition, any request to use Government owned facilities must be included in the Offeror's proposal and approved in advance by the

cognizant Government official. After contract award, requests to use Government integration, test, and experiment facilities will be considered on a case by case basis based on availability and justification of need.

## **2. Security Classification**

All proposals are expected to be unclassified. However, confidential/classified proposals are permitted.

In order to facilitate intra-program collaboration and technology transfer, the Government will attempt to enable awardees to work at the unclassified level to the maximum extent possible.

If awardees use unclassified data in their deliveries and demonstrations regarding a potential classified project, they should use methods and conventions consistent with those used in classified environments. Such conventions will permit the various subsystems and the final system to be more adaptable in accommodating classified data in the transition system.

## **3. Project Meetings & Reviews**

Individual program reviews between the ONR sponsor and the performer may be held, as necessary.

Program status reviews may also be held to provide a forum for reviews of the latest results from experiments and any other incremental progress towards the major demonstrations. These meetings will be held at various sites throughout the country. For costing purposes, Offerors should assume that 40% of these meetings will be at or near ONR, Arlington VA and 60% at other contractor or government facilities. Interim meetings are likely, but these will be accomplished via video telephone conferences, telephone conferences, or via web-based collaboration tools.

## **4. Use of Animals and Human Subjects in Research**

If animals are to be utilized in the research effort proposed, the Offeror must complete a DoD Animal Use Protocol with supporting documentation (copies of AAALAC accreditation and /or NIH assurance, IACUC approval, research literature database searches, and the two most recent USDA inspection reports) prior to award. Similarly, for any proposal that involves the experimental use of human subjects, the Offeror must obtain approval from the Offeror's committee for protection of human subjects (normally referred to as an Institutional Evaluation Board, (IRB)). The Offeror must also provide NIH (OHRP/DHHS) documentation of a Federal Wide Assurance that covers the proposed human subjects study. If the Offeror does not have a Federal Wide Assurance, a DoD Single Project Assurance for that work must be completed prior to award. Please see <http://www.onr.navy.mil/02/howto.htm> for further information.

## **5. Roles of the Navy Warfare Centers**

The Navy Warfare Centers will have the primary role for the integration and experimentation/demonstration process. They will also participate in the development of technologies where there are unique capabilities and facilities of interest to the Electronic Warfare Discovery and Invention program. They will also assist ONR in the management,

engineering, and administrative tasks and will provide GFE and facilities that will be used for system level integration and portions of experiment execution.

#### **6. Department of Defense High Performance Computing Program**

The DoD High Performance Computing Program (HPCMP) furnishes the DoD S&T and DT&E communities with use-access to very powerful high performance computing systems. Awardees of ONR contracts, grants, and assistance instruments may be eligible to use HPCMP assets in support of their funded activities if ONR Program Officer approval is obtained and if security/screening requirements are favorably completed. Additional information and an application may be found at <http://www.hpcmo.hpc.mil/>.